

Index of Papers Published in 1976

Author Index

A

- Arihara, N. et al.:** *Nonisothermal Single- and Two-Phase Flow Through Consolidated Sandstones*, (Transaction) SPEJ June, 137-146

B

- Brigham, W.E. et al.:** *Nonisothermal Single- and Two-Phase Flow Through Consolidated Sandstones*, (Transaction) SPEJ June, 137-146
- Burger, J.G.:** *Spontaneous Ignition in Oil Reservoirs*, (Tech. Paper) SPEJ Apr., 73-81

C

- Callas, N.P.:** *Computing Directional Surveys With a Helical Method*, (Transaction) SPEJ Dec., 327-336
- Callas, N.P.:** *Author's Reply to Discussion of Computing Directional Surveys With a Helical Method*, (Transaction) SPEJ Dec., 336
- Carter, R.D. and Rodriguez-Nieto, R.:** *Three-Dimensional and Non-isotropic Effects in the Analysis of Interference Test Data*, (Tech. Paper) SPEJ Oct., 231-234
- Cayias, J.L. et al.:** *Modeling Crude Oils for Low Interfacial Tension*, (Tech. Paper) SPEJ Dec., 351-357
- Chappelear, J.E. and Hirasaki, G.J.:** *A Model of Oil-Water Coning for Two-Dimensional, Areal Reservoir Simulation*, (Transaction) SPEJ Apr., 65-74
- Chatelain, J.C. et al.:** *Thermodynamic Limitations in Organic-Acid-Carbonate Systems*, (Tech. Paper) SPEJ Aug., 189-195
- Chaw, S.Y. and Kalousek, G.L.:** *Research on Cements for Geothermal and Deep Oil Wells*, (Forum) SPEJ Dec., 307-309
- Coats, K.H.:** *Simulation of Steamflooding With Distillation and Solution Gas*, (Tech. Paper) SPEJ Oct., 235-247
- Cobb, W.M. et al.:** *Determining Well Drainage Pore Volume and Porosity From Pressure Buildup Tests*, (Transaction) SPEJ Aug., 209-216

D

- Dabbous, M.K. et al.:** *Gas-Water Capillary Pressure in Coal at Various Overburden Pressures*, (Transaction) SPEJ Oct., 261-268
- Denson, A.H. et al.:** *Determining Well Drainage Pore Volume and Porosity From Pressure Buildup Tests*, (Transaction) SPEJ Aug., 209-216
- deSwaan, O., A.:** *Analytical Solutions for Determining Naturally Fractured Reservoir Properties by Well Testing*, (Transaction) SPEJ June, 117-122
- Dreher, K.D. and Jones, S.C.:** *Cosurfactants in Micellar Systems Used for Tertiary Oil Recovery*, (Transaction) SPEJ June, 161-167
- Dullien, F.A.L. and Macdonald, I.F.:** *Correlating Tertiary Oil Recovery in Water-Wet Systems*, (Forum) SPEJ Feb., 7-9

E

- Earlougher, R.C., Jr.:** *Discussion of A Method for Determining Reservoir Fluid Saturations Using Field Production Data*, (Tech. Paper) SPEJ Apr., 55-56

F

- Folger, H.S. et al.:** *Predicting the Flow and Reaction of HCl-HF Acid Mixtures in Porous Sandstone Cores*, (Transaction) SPEJ Oct., 248-260
- Fulton, P.F. et al.:** *Gas-Water Capillary Pressure in Coal at Various Overburden Pressures*, (Transaction) SPEJ Oct., 261-268
- Fussell, D.D. et al.:** *Effect of "Rich" Gas Composition on Multiple-Contact Miscible Displacement--A Cell-to-Cell Flash Model Study*, (Transaction) SPEJ Dec., 310-316

G

- Gavalas, G.R. et al.:** *Reservoir History Matching by Bayesian Estimation*, (Transaction) SPEJ Dec., 337-350
- Griffith, J.D. et al.:** *Effect of "Rich" Gas Composition on Multiple-Contact Miscible Displacement--A Cell-to-Cell Flash Model Study*, (Transaction) SPEJ Dec., 310-316

H

- Hales, H.B. and Odeh, A.S.:** *An Improved Method for Stimulating Ideal Low-Tension Flooding Processes*, (Forum) SPEJ Apr., 53-56
- Healy, R.N. et al.:** *Multiphase Microemulsion Systems*, (Transaction) SPEJ June, 147-160
- Hirasaki, G.J. and Chappelear, J.E.:** *A Model of Oil-Water Coning for Two-Dimensional, Areal Reservoir Simulation*, (Transaction) SPEJ Apr., 65-74

J

- Jones, S.C. and Dreher, K.D.:** *Cosurfactants in Micellar Systems Used for Tertiary Oil Recovery*, (Transaction) SPEJ June, 161-167

K

- Kalousek, G.L. and Chaw, S.Y.:** *Research on Cements for Geothermal and Deep Oil Wells*, (Forum) SPEJ Dec., 307-309
- Kazemi, H. et al.:** *Numerical Simulation of Water-Oil Flow in Naturally Fractured Reservoirs*, (Transaction) SPEJ Dec., 317-326
- Killough, J.E.:** *Reservoir Simulation With History-Dependent Saturation Functions*, (Transaction) SPEJ Feb., 37-48
- Knutson, C.F.:** *Modeling of Noncontinuous Fort Union and Mesaverde Sandstone Reservoirs, Piceance Basin, Northwestern Colorado*, (Tech. Paper) SPEJ Aug., 235-247
- Konopnicki, D.T. and Shum, Y.M.:** *Application of the Complex Method for Constrained Optimization to Oilfield Problems*, (Transaction) SPEJ June, 123-129
- Kraft L.M., Jr. and Murff, J.D.:** *Probabilistic Investigation of Foundation Design for Offshore Gravity Structures*, (Tech. Paper) SPEJ Apr., 97-109

L

- Lankford, J. Jr.:** *Dynamic Strength of Oil Shale*, (Transaction) SPEJ Feb., 17-22
- Lumpkin, W.B. et al.:** *Reservoir Simulation of Variable Bubble-Point Problems*, (Transaction) SPEJ Feb., 10-16

Index of Papers Published in 1976

Author Index

A

- Arihara, N. et al.:** *Nonisothermal Single- and Two-Phase Flow Through Consolidated Sandstones*, (Transaction) SPEJ June, 137-146

B

- Brigham, W.E. et al.:** *Nonisothermal Single- and Two-Phase Flow Through Consolidated Sandstones*, (Transaction) SPEJ June, 137-146
- Burger, J.G.:** *Spontaneous Ignition in Oil Reservoirs*, (Tech. Paper) SPEJ Apr., 73-81

C

- Callas, N.P.:** *Computing Directional Surveys With a Helical Method*, (Transaction) SPEJ Dec., 327-336
- Callas, N.P.:** *Author's Reply to Discussion of Computing Directional Surveys With a Helical Method*, (Transaction) SPEJ Dec., 336
- Carter, R.D. and Rodriguez-Nieto, R.:** *Three-Dimensional and Non-isotropic Effects in the Analysis of Interference Test Data*, (Tech. Paper) SPEJ Oct., 231-234
- Cayias, J.L. et al.:** *Modeling Crude Oils for Low Interfacial Tension*, (Tech. Paper) SPEJ Dec., 351-357
- Chappelear, J.E. and Hirasaki, G.J.:** *A Model of Oil-Water Coning for Two-Dimensional, Areal Reservoir Simulation*, (Transaction) SPEJ Apr., 65-74
- Chatelain, J.C. et al.:** *Thermodynamic Limitations in Organic-Acid-Carbonate Systems*, (Tech. Paper) SPEJ Aug., 189-195
- Chaw, S.Y. and Kalousek, G.L.:** *Research on Cements for Geothermal and Deep Oil Wells*, (Forum) SPEJ Dec., 307-309
- Coats, K.H.:** *Simulation of Steamflooding With Distillation and Solution Gas*, (Tech. Paper) SPEJ Oct., 235-247
- Cobb, W.M. et al.:** *Determining Well Drainage Pore Volume and Porosity From Pressure Buildup Tests*, (Transaction) SPEJ Aug., 209-216

D

- Dabbous, M.K. et al.:** *Gas-Water Capillary Pressure in Coal at Various Overburden Pressures*, (Transaction) SPEJ Oct., 261-268
- Denson, A.H. et al.:** *Determining Well Drainage Pore Volume and Porosity From Pressure Buildup Tests*, (Transaction) SPEJ Aug., 209-216
- deSwaan, O., A.:** *Analytical Solutions for Determining Naturally Fractured Reservoir Properties by Well Testing*, (Transaction) SPEJ June, 117-122
- Dreher, K.D. and Jones, S.C.:** *Cosurfactants in Micellar Systems Used for Tertiary Oil Recovery*, (Transaction) SPEJ June, 161-167
- Dullien, F.A.L. and Macdonald, I.F.:** *Correlating Tertiary Oil Recovery in Water-Wet Systems*, (Forum) SPEJ Feb., 7-9

E

- Earlougher, R.C., Jr.:** *Discussion of A Method for Determining Reservoir Fluid Saturations Using Field Production Data*, (Tech. Paper) SPEJ Apr., 55-56

F

- Folger, H.S. et al.:** *Predicting the Flow and Reaction of HCl-HF Acid Mixtures in Porous Sandstone Cores*, (Transaction) SPEJ Oct., 248-260
- Fulton, P.F. et al.:** *Gas-Water Capillary Pressure in Coal at Various Overburden Pressures*, (Transaction) SPEJ Oct., 261-268
- Fussell, D.D. et al.:** *Effect of "Rich" Gas Composition on Multiple-Contact Miscible Displacement--A Cell-to-Cell Flash Model Study*, (Transaction) SPEJ Dec., 310-316

G

- Gavalas, G.R. et al.:** *Reservoir History Matching by Bayesian Estimation*, (Transaction) SPEJ Dec., 337-350
- Griffith, J.D. et al.:** *Effect of "Rich" Gas Composition on Multiple-Contact Miscible Displacement--A Cell-to-Cell Flash Model Study*, (Transaction) SPEJ Dec., 310-316

H

- Hales, H.B. and Odeh, A.S.:** *An Improved Method for Stimulating Ideal Low-Tension Flooding Processes*, (Forum) SPEJ Apr., 53-56
- Healy, R.N. et al.:** *Multiphase Microemulsion Systems*, (Transaction) SPEJ June, 147-160
- Hirasaki, G.J. and Chappelear, J.E.:** *A Model of Oil-Water Coning for Two-Dimensional, Areal Reservoir Simulation*, (Transaction) SPEJ Apr., 65-74

J

- Jones, S.C. and Dreher, K.D.:** *Cosurfactants in Micellar Systems Used for Tertiary Oil Recovery*, (Transaction) SPEJ June, 161-167

K

- Kalousek, G.L. and Chaw, S.Y.:** *Research on Cements for Geothermal and Deep Oil Wells*, (Forum) SPEJ Dec., 307-309
- Kazemi, H. et al.:** *Numerical Simulation of Water-Oil Flow in Naturally Fractured Reservoirs*, (Transaction) SPEJ Dec., 317-326
- Killough, J.E.:** *Reservoir Simulation With History-Dependent Saturation Functions*, (Transaction) SPEJ Feb., 37-48
- Knutson, C.F.:** *Modeling of Noncontinuous Fort Union and Mesaverde Sandstone Reservoirs, Piceance Basin, Northwestern Colorado*, (Tech. Paper) SPEJ Aug., 235-247
- Konopnicki, D.T. and Shum, Y.M.:** *Application of the Complex Method for Constrained Optimization to Oilfield Problems*, (Transaction) SPEJ June, 123-129
- Kraft L.M., Jr. and Murff, J.D.:** *Probabilistic Investigation of Foundation Design for Offshore Gravity Structures*, (Tech. Paper) SPEJ Apr., 97-109

L

- Lankford, J. Jr.:** *Dynamic Strength of Oil Shale*, (Transaction) SPEJ Feb., 17-22
- Lumpkin, W.B. et al.:** *Reservoir Simulation of Variable Bubble-Point Problems*, (Transaction) SPEJ Feb., 10-16

Lund, K. et al.: Predicting the Flow and Reaction of HCl-HF Acid Mixtures in Porous Sandstone Cores, (Transaction) SPEJ Oct., 248-260

M

- Macdonald, I.F. and Dullien, F.A.L.: Correlating Tertiary Oil Recovery in Water-Wet Systems, (Forum) SPEJ Feb., 7-9
- Maerker, J.M.: Mechanical Degradation of Partially Hydrolyzed Polyacrylamide Solutions in Unconsolidated Porous Media, (Forum) SPEJ Aug., 172-174
- Manning, F.S. et al.: Sulfur-Bearing Capacity of Hydrogen Sulfide Gas, (Transaction) SPEJ Apr., 57-64
- McCune, C.C. et al.: Predicting the Flow and Reaction of HCl-HF Acid Mixtures in Porous Sandstone Cores, (Transaction) SPEJ Oct., 248-260
- Merrill, L.S. et al.: Numerical Simulation of Water-Oil Flow in Naturally Fractured Reservoirs, (Transaction) SPEJ Dec., 317-326
- Mody, B.G. et al.: Gas-Water Capillary Pressure in Coal at Various Overburden Pressures, (Transaction) SPEJ Oct., 261-268
- Murff, J.D. and Kraft L.M., Jr.: Probabilistic Investigation of Foundation Design for Offshore Gravity Structures, (Tech. Paper) SPEJ Apr., 97-109

O

- Odeh, A.S. and Hales, H.B.: An Improved Method for Stimulating Ideal Low-Tension Flooding Processes, (Forum) SPEJ Apr., 53-56
- Owens, W.W. and Schneider, F.N.: Relative Permeability Studies of Gas-Water Flow Following Solvent Injection in Carbonate Rocks, (Transaction) SPEJ Feb., 23-30

P

- Peaceman, D.W. et al.: Evaluation of Polymer Flooding in a Layered Reservoir With Crossflow, Retention, and Degradation, (Tech. Paper) SPEJ Apr., 82-96
- Peaceman, D.W.: Convection in Fractured Reservoirs--Numerical Calculation of Convection in a Vertical Fissure, Including the Effect of Matrix-Fissure Transfer, (Transaction) SPEJ Oct., 281-301
- Peaceman, D.W.: Convection in Fractured Reservoirs--The Effect of Matrix-Fissure Transfer on the Instability of a Density Inversion in a Vertical Fissure, (Transaction) SPEJ Oct., 269-280
- Porterfield, K.L. et al.: Numerical Simulation of Water-Oil Flow in Naturally Fractured Reservoirs, (Transaction) SPEJ Dec., 317-326

R

- Raghavan, R.: Well Test Analysis: Wells Producing by Solution Gas Drive, (Transaction) SPEJ Aug., 196-208
- Ramey, H.J., Jr. et al.: Nonisothermal Single- and Two-Phase Flow Through Consolidated Sandstones, (Transaction) SPEJ June, 137-146
- Randall, B.V.: Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
- Reed, R.L. et al.: Multiphase Microemulsion Systems, (Transaction) SPEJ June, 147-160
- Reheis, G.M. et al.: Reservoir Simulation of Variable Bubble-Point Problems, (Transaction) SPEJ Feb., 10-16
- Reznik, A.A. et al.: Gas-Water Capillary Pressure in Coal at Various Overburden Pressures, (Transaction) SPEJ Oct., 261-268
- Robertson, R.E. and Stiff, H.A., Jr.: An Improved Mathematical Model for Relating Shear Stress to Shear Rate in Drilling Fluids and Cement Slurries, (Transaction) SPEJ Feb., 31-36
- Rodriguez-Nieto, R. and Carter, R.D.: Three-Dimensional and Non-isotropic Effects in the Analysis of Interference Test Data, (Tech. Paper) SPEJ Oct., 231-234

S

- Sandvik, E.I. et al.: Evaluation of Polymer Flooding in a Layered Reservoir With Crossflow, Retention, and Degradation, (Tech. Paper) SPEJ Apr., 82-96
- Schechter, R.S. et al.: Modeling Crude Oils for Low Interfacial Tension, (Tech. Paper) SPEJ Dec., 351-357
- Schechter, R.S. et al.: Thermodynamic Limitations in Organic-Acid-Carbonate Systems, (Tech. Paper) SPEJ Aug., 189-195
- Schneider, F.N. and Owens, W.W.: Relative Permeability Studies of Gas-Water Flow Following Solvent Injection in Carbonate Rocks, (Transaction) SPEJ Feb., 23-30
- Seinfeld, J.H. et al.: Reservoir History Matching by Bayesian Estimation, (Transaction) SPEJ Dec., 337-350
- Shah, P.C. et al.: Reservoir History Matching by Bayesian Estimation, (Transaction) SPEJ Dec., 337-350
- Shelton, J.L. et al.: Effect of "Rich" Gas Composition on Multiple-Contact Miscible Displacement--A Cell-to-Cell Flash Model Study, (Transaction) SPEJ Dec., 310-316
- Shum, Y.M. and Kononicki, D.T.: Application of the Complex Method for Constrained Optimization to Oilfield Problems, (Transaction) SPEJ June, 123-129
- Silberberg, I.H. et al.: Thermodynamic Limitations in Organic-Acid-Carbonate Systems, (Tech. Paper) SPEJ Aug., 189-195
- Smith, J.T. et al.: Determining Well Drainage Pore Volume and Porosity From Pressure Buildup Tests, (Transaction) SPEJ Aug., 209-216
- Stenmark, D.G. et al.: Multiphase Microemulsion Systems, (Transaction) SPEJ June, 147-160
- Stiff, H.A., Jr. and Robertson, R.E.: An Improved Mathematical Model for Relating Shear Stress to Shear Rate in Drilling Fluids and Cement Slurries, (Transaction) SPEJ Feb., 31-36
- Swift, S.C. et al.: Sulfur-Bearing Capacity of Hydrogen Sulfide Gas, (Transaction) SPEJ Apr., 57-64

T

- Taber, J.J. et al.: Gas-Water Capillary Pressure in Coal at Various Overburden Pressures, (Transaction) SPEJ Oct., 261-268
- Thomas, C.P.: The Mechanism of Reduction of Water Mobility by Polymers in Glass Capillary Arrays, (Transaction) SPEJ June, 130-136
- Thomas, L.K. et al.: Reservoir Simulation of Variable Bubble-Point Problems, (Transaction) SPEJ Feb., 10-16
- Thompson, R.E. et al.: Sulfur-Bearing Capacity of Hydrogen Sulfide Gas, (Transaction) SPEJ Apr., 57-64

V

- Vela, S. et al.: Evaluation of Polymer Flooding in a Layered Reservoir With Crossflow, Retention, and Degradation, (Tech. Paper) SPEJ Apr., 82-96

W

- Wade, W.H. et al.: Modeling Crude Oils for Low Interfacial Tension, (Tech. Paper) SPEJ Dec., 351-357

Y

- Yeh, W.W.-G. and Yoon, Y.S.: Parameter Identification in an Inhomogeneous Medium With the Finite-Element Method, (Tech. Paper) SPEJ Aug., 217-226
- Yoon, Y.S. and Yeh, W.W.-G.: Parameter Identification in an Inhomogeneous Medium With the Finite-Element Method, (Tech. Paper) SPEJ Aug., 217-226

Z

- Zeman, P.R. et al.: Numerical Simulation of Water-Oil Flow in Naturally Fractured Reservoirs, (Transaction) SPEJ Dec., 317-326

Subject Index

A

- Acidizing**
 - organic-acid-carbonate system: thermodynamic limitations, (Tech. Paper) SPEJ Aug., 189-195
- Acids**
 - organic: carbonate systems; thermodynamic limitations, (Tech. Paper) SPEJ Aug., 189-195
- Alcohol**
 - as cosurfactant: in micellar systems used for tertiary oil recovery, (Transaction) SPEJ June, 161-167
- Algorithm**
 - helical: computing directional surveys, (Transaction) SPEJ Dec., 327-336
 - Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
 - Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
 - parameter identification: in an inhomogeneous medium with the finite-element method, (Tech. Paper) SPEJ Aug., 217-226
- Analog**
 - SEE: Models
- Analytical Methods**
 - determining naturally fractured reservoir properties by well testing, (Transaction) SPEJ June, 117-122
- Anvil Point Oil Shale**
 - SEE: Colorado
- Appraisal**
 - SEE: Mississippi

B

- Bayesian Statistics**
 - estimation of reservoir history matching, (Transaction) SPEJ Dec., 337-350
- Brines**
 - SEE: Water
- Bubble Point**
 - problems: reservoir simulation, (Transaction) SPEJ Feb., 10-16
- Buildup Curves**
 - SEE: Pressure Buildup

C

- Capillary Flow**
 - glass arrays: mechanism of reduction of water mobility by polymers, (Transaction) SPEJ June, 130-136
- Capillary Pressure**
 - gas-water: in coal at various overburden pressures, (Transaction) SPEJ Oct., 261-268
- Carbonate Reservoirs**
 - SEE: Carbonate Rocks
- Carbonate Rocks**
 - relative permeability studies: gas-water flow following solvent injection, (Transaction) SPEJ Feb., 23-30
 - thermodynamic limitations in organic acid, (Tech. Paper) SPEJ Aug., 189-195
- Cements**
 - for geothermal and deep oil wells: research on, (Forum) SPEJ Dec., 307-309

slurries: improved mathematical model for relating shear stress to shear rate, (Transaction) SPEJ Feb., 31-36

Chemicals

studies: cements for geothermal and deep oil wells, (Forum) SPEJ Dec., 307-309

Coals

gas-water capillary pressure: at various overburden pressures, (Transaction) SPEJ Oct., 261-268

Colorado

Anvil Point oil shale: dynamic strength studies, (Transaction) SPEJ Feb., 17-22

Piceance Basin: modeling of noncontinuous Fort Union and Mesaverde sandstone reservoirs, (Tech. Paper) SPEJ Aug., 235-247

Combustion Drive

SEE: Thermal Recovery of Oil

Combustion Method of Oil Recovery

SEE: Thermal Recovery of Oil

Completion

SEE: Texas

Complex Method

application for constrained optimization: oilfield problems, (Transaction) SPEJ June, 123-129

Composition

rich gas: effect on multiple contact miscible displacement; cell-to-cell flash model study, (Transaction) SPEJ Dec., 310-316

Compressibility

pore: at various overburden pressures, (Transaction) SPEJ Oct., 261-268

Computers

program: computing directional surveys with a helical method, (Transaction) SPEJ Dec., 327-336

- Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
- Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336

Coning

SEE: Water Coning

Convection

fractured reservoir: effect of matrix-fissure transfer on instability of a density inversion in a vertical fissure, (Transaction) SPEJ Oct., 269-280

numerical calculation of convection in a vertical fissure, including effect of matrix-fissure transfer, (Transaction) SPEJ Oct., 281-301

heat transport: during spontaneous ignition in oil reservoirs, (Tech. Paper) SPEJ Apr., 73-81

Cores

carbonate rocks: relative permeability studies of gas-water flow following solvent injection, (Transaction) SPEJ Feb., 23-30

sandstone: porous; predicting the flow and reaction of HCl-HF acid mixtures, (Transaction) SPEJ Oct., 248-260

Correlations

interfacial tension and mole fraction averaging procedure, (Tech. Paper) SPEJ Dec., 351-357

mechanical degradation of partially hydrolyzed polyacrylamide solutions: unconsolidated porous media, (Forum) SPEJ Aug., 172-174

organic-acid-carbonate system: effect of temperature and initial acid concentration on conversion, (Tech. Paper) SPEJ Aug., 189-195

tertiary oil recovery in water-wet systems, (Forum) SPEJ Feb., 7-9

Cosurfactants

micellar systems: used for tertiary oil recovery, (Transaction) SPEJ June, 161-167

- Cross Flow**
polymer flooding: evaluation in a layered reservoir, (Tech. Paper) SPEJ Apr., 82-96
- Crude Oils**
modeling: for low interfacial tension, (Tech. Paper) SPEJ Dec., 351-357

D

- Data**
interference test: three-dimensional and nonisotropic effects in the analysis, (Tech. Paper) SPEJ Oct., 231-234
- Degradation**
mechanical: of partially hydrolyzed polyacrylamide solutions in unconsolidated porous media, (Forum) SPEJ Aug., 172-174
- Density**
inversion: in vertical fissure; effect of matrix-fissure transfer on instability, (Transaction) SPEJ Oct., 269-280
- Design**
foundation: probabilistic investigation of offshore structures, (Tech. Paper) SPEJ Apr., 97-109
- Directional Surveys**
computing with a helical method, (Transaction) SPEJ Dec., 327-336
Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
- Displacement**
SEE: Gas Injection
Miscible Displacement
Solvent Flooding
Thermal Recovery of Oil
- Displacement Efficiency**
correlating tertiary oil recovery in water-wet systems, (Forum) SPEJ Feb., 7-9
- Distillation**
and solution: simulation of steamflooding, (Tech. Paper) SPEJ Oct., 235-247
- Dolomite**
SEE: Carbonate Rocks
- Drainage**
well: pore volume; determining from pressure buildup tests, (Transaction) SPEJ Aug., 209-216
- Drawdown Analyses**
wells producing by solution gas drive, (Transaction) SPEJ Aug., 196-208
- Drill Bit**
SEE: Drilling
- Drilling**
directional surveys: computing with a helical method, (Transaction) SPEJ Dec., 327-336
Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336
optimizing schedule: application of the complex method, (Transaction) SPEJ June, 123-129
- Drilling Fluids**
improved mathematical model: relating shear stress to shear rate, (Transaction) SPEJ Feb., 31-36

E

- Energy**
geothermal: nonisothermal single- and two-phase flow through consolidated sandstones, (Transaction) SPEJ June, 137-146

- Evaluations**
SEE: Laboratory Studies

F

- Finite Difference Method**
simulating ideal low-tension flooding processes: improved method, (Forum) SPEJ Apr., 53-56
- Finite Element Method**
parameter identification in an inhomogeneous medium, (Tech. Paper) SPEJ Aug., 217-226
- Fireflood**
SEE: Thermal Recovery of Oil
- Fissured Systems**
vertical: effect of matrix-fissure transfer on instability of a density inversion; convection in fractured reservoirs, (Transaction) SPEJ Oct., 269-280
numerical calculation of convection, including effect of matrix-fissure transfer; convection in fractured reservoirs, (Transaction) SPEJ Oct., 281-301
- Fluid Flow**
SEE: Gas Injection
Miscible Displacement
Solvent Flooding
Thermal Recovery of Oil
gas-water flow following solvent injection: relative permeability studies in carbonate rocks, (Transaction) SPEJ Feb., 23-30
multiphase: well test analysis; wells producing by solution gas drive, (Transaction) SPEJ Aug., 196-208
relating shear stress to shear rate: improved mathematical model for drilling fluids and cement slurries, (Transaction) SPEJ Feb., 31-36
reservoir: determining well drainage pore volume and porosity from pressure buildup tests, (Transaction) SPEJ Aug., 209-216
single- and two-phase flow: nonisothermal; through consolidated sandstone, (Transaction) SPEJ June, 137-146
three-dimensional: analytical model for nonisotropic gas reservoirs, (Tech. Paper) SPEJ Oct., 231-234
water-oil: numerical simulation in naturally fractured reservoirs, (Transaction) SPEJ Dec., 317-326
- Fluid Injection**
SEE: Gas Injection
Miscible Displacement
Solvent Flooding
Thermal Recovery of Oil
- Formation Evaluation**
SEE: Drawdown Analyses
Pressure Buildup
- Formation Fractures**
convection in: effect of matrix-fissure transfer on instability of a density inversion in a vertical fissure, (Transaction) SPEJ Oct., 269-280
numerical calculation of convection in a vertical fissure, including effect of matrix-fissure transfer, (Transaction) SPEJ Oct., 281-301
naturally occurring: determining reservoir properties by well testing; analytical solutions, (Transaction) SPEJ June, 117-122
water-oil flow: numerical reservoir simulation, (Transaction) SPEJ Dec., 317-326
- Fractured Reservoirs or Fracturing**
SEE: Formation Fractures
- Fractures**
SEE: Formation Fractures
- Functions**
saturation: history dependent; reservoir simulation, (Transaction) SPEJ Feb., 37-48

Gas Injection-Miscible Displacement

G

Gas Injection

variable bubble-point problems: reservoir simulation, (Transaction) SPEJ Feb., 10-16

Gas Reservoirs

anisotropic: three-dimensional analytical model, (Tech. Paper) SPEJ Oct., 231-234

Gases

hydrogen sulfide: sulfur-bearing capacity, (Transaction) SPEJ Apr., 57-64

Geology

Piceance Basin, Colorado: modeling of noncontinuous Fort Union and Mesaverde sandstone reservoirs, (Tech. Paper) SPEJ Aug., 235-247

Geothermal Energy

SEE: Energy

Gravity

structures: probabilistic investigation of foundation design for offshore, (Tech. Paper) SPEJ Apr., 97-109

Gulf Coast

SEE: Texas

H

Hawkins Field

SEE: Texas

History

matching: by Bayesian estimation, (Transaction) SPEJ Dec., 337-350

Hydrocarbon Recovery

SEE: Oil Recovery

Hydrochloric Acid

mixtures with hydrofluoric acid: predicting the flow and reaction in porous sandstone cores, (Transaction) SPEJ Oct., 248-260

Hydrofluoric Acid

mixtures with hydrochloric acid: predicting the flow and reaction in porous sandstone cores, (Transaction) SPEJ Oct., 248-260

Hydrogen Sulfide

gas: sulfur-bearing capacity of, (Transaction) SPEJ Apr., 57-64

Hysteresis

capillary: reservoir simulation with history-dependent saturation functions, (Transaction) SPEJ Feb., 37-48

I

Ignition

spontaneous: oil reservoirs, (Tech. Paper) SPEJ Apr., 73-81

In-Situ Combustion

SEE: Thermal Recovery of Oil

Injection

SEE: Gas Injection

Miscible Displacement

Solvent Flooding

heat: consolidated sandstones; nonisothermal single- and two-phase flow, (Transaction) SPEJ June, 137-146

solvent: carbonate rocks; relative permeability studies of gas-water flow, (Transaction) SPEJ Feb., 23-30

steam: simulation of flooding with distillation and solution gas, (Tech. Paper) SPEJ Oct., 235-247

water: reservoir simulation; variable bubble-point problems, (Transaction) SPEJ Feb., 10-16

Interfacial Tension

low: modeling crude oils, (Tech. Paper) SPEJ Dec., 351-357

Interference

test data: analysis; three-dimensional and nonisotropic effects, (Tech. Paper) SPEJ Oct., 231-234

K

Kelly-Snyder Field

SEE: Texas

Kerogen

content: Anvil Point oil shale; dynamic strength, (Transaction) SPEJ Feb., 17-22

L

Laboratory Studies

cell-to-cell flash model: effect of rich gas composition on multiple contact miscible displacement, (Transaction) SPEJ Dec., 310-316

coal: gas-water capillary pressure: at various overburden pressures, (Transaction) SPEJ Oct., 261-268

consolidated sandstone: nonisothermal single- and two-phase flow, (Transaction) SPEJ June, 137-146

cosurfactants: in micellar systems used for tertiary oil recovery, (Transaction) SPEJ June, 161-167

hydrogen sulfide gas: sulfide-bearing capacity, (Transaction) SPEJ Apr., 57-64

interfacial tension: modeling crude oils for low value, (Tech. Paper) SPEJ Dec., 351-357

multiphase microemulsion systems, (Transaction) SPEJ June, 147-160

oil shale: dynamic strength, (Transaction) SPEJ Feb., 17-22

organic-acid-carbonate systems: thermodynamic limitations, (Tech. Paper) SPEJ Aug., 189-195

polyacrylamide solutions: partially hydrolyzed; mechanical degradation in unconsolidated porous media, (Forum) SPEJ Aug., 172-174

water mobility: mechanism of reduction; by polymers in glass capillary arrays, (Transaction) SPEJ June, 130-136

Laminar Flow

SEE: Fluid Flow

Lignites

SEE: Coals

Limestones

SEE: Carbonate Rocks

Low-Tension Flooding

simulating ideal processes: improved method, (Forum) SPEJ Apr., 53-56

LPG Injection

SEE: Solvent Flooding

M

Mathematical Modeling

SEE: Models

Matrix

fissure transfer: effect included in numerical calculation of convection in a vertical fissure; convection in fractured reservoirs, (Transaction) SPEJ Oct., 281-301

effect on instability of a density inversion in a vertical fissure; convection in fractured reservoirs, (Transaction) SPEJ Oct., 269-280

Micellar Systems

multiphase microemulsions, (Transaction) SPEJ June, 147-160

tertiary oil recovery: cosurfactants in, (Transaction) SPEJ June, 161-167

Microemulsions

alcohols: behavior as cosurfactants in micellar solutions used for tertiary oil recovery, (Transaction) SPEJ June, 161-167

multiphase systems, (Transaction) SPEJ June, 147-160

Miscible Displacement

multiple contact: effect of rich gas composition; cell-to-cell flash model study, (Transaction) SPEJ Dec., 310-316

Mississippi

Smackover lime: sulfur-bearing capacity of hydrogen sulfide gas, (Transaction) SPEJ Apr., 57-64

Mixtures

HCl-HF acid: predicting the flow and reaction in porous sandstone cores, (Transaction) SPEJ Oct., 248-260

Mobility

low-tension flooding: an improved method for simulating ideal processes, (Forum) SPEJ Apr., 53-56

water: mechanism of reduction; by polymers in glass capillary arrays, (Transaction) SPEJ June, 130-136

Models

SEE: Simulation

cell-to-cell flash: study of effect of rich gas composition on multiple contact miscible displacement, (Transaction) SPEJ Dec., 310-316

circular arcs: computing directional surveys with a helical method, (Transaction) SPEJ Dec., 327-336

Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336

Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336

coning: oil-water; two-dimensional, areal reservoir simulation, (Transaction) SPEJ Apr., 65-74

history-dependent: saturation functions, (Transaction) SPEJ Feb., 37-48

imbibition: effect in naturally fractured reservoirs, (Transaction) SPEJ Dec., 317-326

mathematical: analytic solutions for determining naturally fractured reservoir properties by well testing, (Transaction) SPEJ June, 117-122

finite-element method; parameter identification in an inhomogeneous medium, (Tech. Paper) SPEJ Aug., 217-226

for relating shear stress to shear rate in drilling fluids and cement slurries, (Transaction) SPEJ Feb., 31-36

predicting the flow and reaction of HCl-HF acid mixtures, (Transaction) SPEJ Oct., 248-260

simulation of steamflooding with distillation and solution gas, (Tech. Paper) SPEJ Oct., 235-247

spontaneous ignition in oil reservoirs, (Tech. Paper) SPEJ Apr., 73-81

variable bubble-point problems, (Transaction) SPEJ Feb., 10-16

Piceance Basin, Colorado: noncontinuous Fort Union and Mesaverde sandstone reservoirs, (Tech. Paper) SPEJ Aug., 235-247

reliability: probabilistic investigation of foundation design for offshore gravity structures, (Tech. Paper) SPEJ Apr., 97-109

three-dimensional analytical: analysis of interference test data, (Tech. Paper) SPEJ Oct., 231-234

N**Numerical Solutions**

computing directional surveys: helical method, (Transaction) SPEJ Dec., 327-336

Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336

Author's Reply to Discussion of Computing Directional Surveys With a Helical Method, (Transaction) SPEJ Dec., 336

convection in fractured reservoirs: calculation of convection in a vertical fissure, including effect of matrix-fissure transfer, (Transaction) SPEJ Oct., 281-301

effect of matrix-fissure transfer on instability of a density inversion in a vertical fissure, (Transaction) SPEJ Oct., 269-280

determining naturally fractured reservoir properties by well testing, (Transaction) SPEJ June, 117-122

finite-element method: parameter identification in an inhomogeneous medium, (Tech. Paper) SPEJ Aug., 217-226

low-tension flooding: improved method for simulating ideal processes, (Forum) SPEJ Apr., 53-56

oilfield problems: application of the complex method for constrained optimization, (Transaction) SPEJ June, 123-129

polymer flooding: evaluation in a layered reservoir with crossflow, retention, and degradation, (Tech. Paper) SPEJ Apr., 82-96

relating shear stress to shear rate: drilling fluids and cement slurries, (Transaction) SPEJ Feb., 31-36

reservoir history matching: Bayesian estimation, (Transaction) SPEJ Dec., 337-350

reservoir simulation: variable bubble-point problems, (Transaction) SPEJ Feb., 10-16

simulation of steamflooding: with distillation and solution gas, (Tech. Paper) SPEJ Oct., 235-247

simulation of water-oil flow: naturally fractured reservoirs, (Transaction) SPEJ Dec., 317-326

spontaneous ignition: oil reservoirs, (Tech. Paper) SPEJ Apr., 73-81

well drainage pore volume and porosity: from pressure buildup tests, (Transaction) SPEJ Aug., 209-216

well test analysis: wells producing by solution gas drive, (Transaction) SPEJ Aug., 196-208

O**Offshore**

platforms: probabilistic investigation of foundation design, (Tech. Paper) SPEJ Apr., 97-109

Offshore Drilling

SEE: Drilling

Oil Fields

problems: application of the complex method for constrained optimization, (Transaction) SPEJ June, 123-129

Oil Recovery

microemulsion flooding: multiphase systems, (Transaction) SPEJ June, 147-160

polymer flooding: evaluation in a layered reservoir with crossflow, retention, and degradation, (Tech. Paper) SPEJ Apr., 82-96

tertiary: correlating in water-wet systems, (Forum) SPEJ Feb., 7-9

cosurfactants in micellar systems, (Transaction) SPEJ June, 161-167

Oil Reservoirs

spontaneous ignition, (Tech. Paper) SPEJ Apr., 73-81

two-dimensional, areal simulation: model of oil-water coning, (Transaction) SPEJ Apr., 65-74

Oil Shales

dynamic strength, (Transaction) SPEJ Feb., 17-22

Oil Wells

deep: research on cements for, (Forum) SPEJ Dec., 307-309

Optimization

constrained: application of the complex method to oilfield problems, (Transaction) SPEJ June, 123-129

Overburden Pressure

effect on gas-water capillary pressure in coal, (Transaction) SPEJ Oct., 261-268

P**Performance Predictions**

SEE: Reservoir Analysis

pressure and flow rate: anisotropic gas reservoirs; analysis of interference test data, (Tech. Paper) SPEJ Oct., 231-234

Permeability

inhomogeneous medium: identification with the finite-element method, (Tech. Paper) SPEJ Aug., 217-226

Phase Behavior-Shrinkage

reduction: by polymers in glass capillary arrays, (Transaction) SPEJ June, 130-136
relative: studies of gas-water flow following solvent injection in carbonate rocks, (Transaction) SPEJ Feb., 23-30

Phase Behavior

multiphase: microemulsion systems, (Transaction) SPEJ June, 147-160

Piceance Basin

SEE: Colorado

Piney Woods Field

SEE: Mississippi

Polyacrylamide

solutions: partially hydrolyzed; mechanical degradation in unconsolidated porous media, (Forum) SPEJ Aug., 172-174

Polymers

floodings: evaluation in a layered reservoir with crossflow, retention, and degradation, (Tech. Paper) SPEJ Apr., 82-96
mechanism of reduction of water mobility: in glass capillary arrays, (Transaction) SPEJ June, 130-136

Pore Size Distribution

effects on capillary pressure in coal, (Transaction) SPEJ Oct., 261-268

Pore Volume

well drainage: determining from pressure buildup tests, (Transaction) SPEJ Aug., 209-216

Porosity

from pressure buildup tests, (Transaction) SPEJ Aug., 209-216

in coal: at various overburden pressures, (Transaction) SPEJ Oct., 261-268

Porous Media

consolidated sandstone: nonisothermal single- and two-phase flow, (Transaction) SPEJ June, 137-146

sandstone cores: predicting the flow and reaction of HCl-HF acid mixtures, (Transaction) SPEJ Oct., 248-260

unconsolidated: mechanical degradation of partially hydrolyzed polyacrylamide solutions, (Forum) SPEJ Aug., 172-174

Pressure Behavior

well response: infinite naturally fractured reservoirs: analytic solutions for determining properties by well testing, (Transaction) SPEJ June, 117-122

Pressure Buildup

data: well test analysis; wells producing by solution gas drive, (Transaction) SPEJ Aug., 196-208

tests: determining well drainage pore volume and porosity, (Transaction) SPEJ Aug., 209-216

Pressure Maintenance

SEE: Gas Injection

Miscible Displacement

Solvent Flooding

Probability

use in investigation of foundation design: offshore gravity structures, (Tech. Paper) SPEJ Apr., 97-109

Properties

naturally fractured reservoir: analytic solutions for determining by well testing, (Transaction) SPEJ June, 117-122

reservoir: history matching by Bayesian estimation, (Transaction) SPEJ Dec., 337-350

R

Recovery Methods

SEE: Oil Recovery

Tertiary Recovery

Thermal Recovery of Oil

Relative Permeability

SEE: Permeability

Research

cements: for geothermal and deep oil wells, (Forum) SPEJ Dec., 307-309

Reservoir Analysis

SEE: Performance Predictions

inhomogeneous medium: parameter identification with the finite-element method, (Tech. Paper) SPEJ Aug., 217-226

Reservoir Characteristics

history matching: by Bayesian estimation, (Transaction) SPEJ Dec., 337-350

Reservoir Pressure

SEE: Pressure Behavior

Reservoir Rocks

SEE: Cores

Porous Media

Reservoir Simulation

SEE: Models

bubble-point problems, (Transaction) SPEJ Feb., 10-16

history matching: by Bayesian estimation, (Transaction) SPEJ Dec., 337-350

naturally fractured reservoir: analytic solutions for determining properties by well testing, (Transaction) SPEJ June, 117-122

polymer flooding: evaluation in a layered reservoir with crossflow, retention, and degradation, (Tech. Paper) SPEJ Apr., 82-96

saturation functions: history-dependent, (Transaction) SPEJ Feb., 37-48

steamflooding: with distillation and solution gas, (Tech. Paper) SPEJ Oct., 235-247

two-dimensional, areal: model of oil-water coning, (Transaction) SPEJ Apr., 65-74

water-oil flow: naturally fractured reservoirs, (Transaction) SPEJ Dec., 317-326

Reservoir Stimulation

push-pull steam: application of the complex method for constrained optimization, (Transaction) SPEJ June, 123-129

Reservoirs

SEE: Solution-Gas Drive

sandstone: modeling of noncontinuous Fort Union and Mesaverde, Piceance Basin, northwestern Colorado, (Tech. Paper) SPEJ Aug., 235-247

Retorting

oil shale: dynamic strength studies, (Transaction) SPEJ Feb., 17-22

Reverse Combustion

SEE: Thermal Recovery of Oil

S

SACROC Unit

SEE: Texas

Safety

offshore gravity structures: probabilistic investigation of foundation design, (Tech. Paper) SPEJ Apr., 97-109

Sand

pack: unconsolidated porous media; mechanical degradation of partially hydrolyzed polyacrylamide solutions, (Forum) SPEJ Aug., 172-174

Sandstone

consolidated: nonisothermal single- and two-phase flow, (Transaction) SPEJ June, 137-146

cores: predicting the flow and reaction of HCl-HF acid mixtures, (Transaction) SPEJ Oct., 248-260

reservoirs: modeling of noncontinuous Fort Union and Mesaverde, Piceance Basin, northwestern, Colorado, (Tech. Paper) SPEJ Aug., 235-247

Secondary Recovery

SEE: Gas Injection

Miscible Displacement

Thermal Recovery of Oil

Solvent Flooding

Shale Oils

SEE: Oil Shales

Shrinkage

gas cap: reservoir simulation with history-dependent saturation functions, (Transaction) SPEJ Feb., 37-48

Simulation

low-tension flooding processes: improved method, (Forum) SPEJ Apr., 53-56

Slug Process

SEE: Miscible Displacement

Solubility

brine and hydrocarbons: cosurfactants in micellar systems used for tertiary oil recovery, (Transaction) SPEJ June, 161-167

Solution-Gas Drive

wells producing oil and gas: well test analysis, (Transaction) SPEJ Aug., 196-208

Solvent Flooding

carbonate rocks: relative permeability studies of gas-water flow following injection, (Transaction) SPEJ Feb., 23-30

Southwest Piney Fields

SEE: Mississippi

Steam Injection

SEE: Thermal Recovery of Oil

Stimulation

SEE: Reservoir Stimulation

Stratification

SEE: Permeability

Stresses

shear: relating to shear rate; improved mathematical model for drilling fluids and cement slurries, (Transaction) SPEJ Feb., 31-36

Sulfur Content

hydrogen sulfide gas, (Transaction) SPEJ Apr., 57-64

Surfactants

low interfacial tension: modeling crude oils, (Tech. Paper) SPEJ Dec., 351-357
microemulsion system: multiphase, (Transaction) SPEJ June, 147-160

T

Tertiary Recovery

correlating in water-wet systems, (Forum) SPEJ Feb., 7-9
micellar systems: cosurfactants used, (Transaction) SPEJ June, 161-167

Testing

cements: for geothermal and deep oil wells, (Forum) SPEJ Dec., 307-309
interference test: three-dimensional and nonisotropic effects in the analysis of data, (Tech. Paper) SPEJ Oct., 231-234
well: analytical solutions for determining naturally fractured reservoir properties, (Transaction) SPEJ June, 117-122
well analysis: wells producing by solution gas drive, (Transaction) SPEJ Aug., 196-208

Texas

west: carbonate rocks; relative permeability studies of gas-water flow following solvent injection, (Transaction) SPEJ Feb., 23-30

Thermal Recovery of Oil

steamflooding: simulation with distillation and solution gas, (Tech. Paper) SPEJ Oct., 235-247

Thermodynamics

limitations: in organic-acid-carbonate systems, (Tech. Paper) SPEJ Aug., 189-195

Thomasville Field

SEE: Mississippi

Transition Zone

between reservoir oil and several rich gases: multiple contact miscible displacement; cell-to-cell flash model study, (Transaction) SPEJ Dec., 310-316

Turbulent Flow

SEE: Fluid Flow

U

Underground Combustion

SEE: Thermal Recovery of Oil

V

Viscous Flow

SEE: Fluid Flow

W

Water

mobility: mechanism of reduction; by polymers in glass capillary arrays, (Transaction) SPEJ June, 130-136

Water Coning

model: oil-water coning for two-dimensional, areal reservoir simulation, (Transaction) SPEJ Apr., 65-74
reservoir simulation with history-dependent saturation functions, (Transaction) SPEJ Feb., 37-48

Well Performance

oil-water coning: model for two-dimensional, areal reservoir simulation, (Transaction) SPEJ Apr., 65-74

Well Stimulation

SEE: Acidizing

Wellbore Mechanics

SEE: Well Performance